

Federal Communications Commission

§ 90.73

(e) *Limitation on number of frequencies assignable.* Normal only one frequency, or pair of frequencies in the paired frequency mode of operation, will be assigned for mobile service operations by a single application in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection with operation of mobile repeaters in accordance with § 90.247 notwithstanding this limitation.

(2) Frequencies in the ranges 30.56-30.57 MHz, 35.00-35.01 MHz, 35.99-36.00 MHz, and 37.00-37.01 MHz are available for assignment to applicants in this service subject to the provisions of subpart Q notwithstanding this limitation.

(3) Frequencies in the 25-50 MHz, 150-170 MHz, 450-512 MHz and 902-928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation.

(Secs. 4(i) and 303(r), Communications Act of 1934, as amended, §§ 0.131 and 0.331 of the Commission's Rules and 5 U.S.C. 553 (b)(3)(B) and (d)(3); 47 U.S.C. 154(i) and 303)

[43 FR 54791, Nov. 22, 1978]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 90.71, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 90.73 Special Industrial Radio Service.

(a) *Eligibility.* Persons regularly engaged in any of the following activities are eligible to hold authorizations in the Special Industrial Radio Service to operate radio stations for the transmission of only those communications essential to such activities of the licensee. (Persons engaging in some activities which are eligible under this paragraph and in some which are not, and desiring to use radio in connections with both types of activities should apply for authorization in the Business Radio Service.)

(1) The operation of farms, ranches, or similar land areas, for the quantity production of crops or plants; vines or trees (excluding forestry operations); or for the keeping, grazing or feeding of

livestock for animal products, animal increase, or value enhancement. Persons establishing eligibility under this subparagraph may use their radio facilities in connection with the gathering or processing of products grown or raised for them by others.

(2) Plowing, soil conditioning, seeding, fertilizing, or harvesting for agricultural activities.

(3) Spraying or dusting of insecticides, herbicides, or fungicides, in areas other than enclosed structures.

(4) Livestock breeding service.

(5) The operation of a commercial business regularly engaged in the construction of roads, bridges, sewer systems, pipelines, airfields, or water, oil, gas, or power production, collection, or distribution systems. Other engineering projects, normally classified as heavy construction activities, will be considered on the merits of the showing made, however, the construction of buildings is not included in this category.

(6) The operation of mines for the recovery of solid fuels, minerals, metal, rock, sand and gravel from the earth or the sea, including the exploration for and development of mining properties.

(7) Maintaining, patrolling or repairing gas or liquid transmission pipelines, tank cars, water or waste disposal wells, industrial storage tanks, or distribution systems of public utilities. Persons establishing eligibility under this subparagraph may use their radio facilities in connection with the containment and cleanup of industrial liquid spillage.

(8) Acidizing, cementing, logging, perforating, or shooting activities, and services of a similar nature incident to the drilling of new oil or gas wells, or the maintenance of production from established wells.

(9) Supplying chemicals, mud, tools, pipe, and other materials or equipment unique to the petroleum and gas production industry, as the primary activity of the applicant if delivery, installation or application of these materials requires the use of specifically fitted conveyances.

(10) The delivery of ice or fuel to the consumer for heating, lighting, refrigeration or power generation purposes,

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by means other than pipelines or railroads when such products are not to be resold following their delivery. Persons establishing eligibility under this subparagraph may use their radio facilities in connection with the servicing of the equipment that uses or consumes the products delivered.

(11) The delivery and pouring of ready mixed concrete or hot asphalt mix.

(b) [Reserved]

(c) *Frequencies available.* The following table indicates frequencies available for assignment to stations in the Special Industrial Radio Service together with the class of station(s) to which they are normally assigned, and the specific assignment limitations which are explained in paragraph (d) of this section.

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz:		
2,000 to 25,000	Fixed, base or mobile	1
2292	Base or mobile	1, 34
2398 .....	.....do	1, 34
4637.5 .....	.....do	1, 34
Megahertz:		
30.58 .....	.....do	2
30.60 .....	.....do	2
30.62 .....	.....do	2
30.64 .....	.....do	34
31.28 .....	.....do	34
31.32 .....	.....do	29, 34
31.36 .....	.....do	34
31.40 .....	.....do	29, 34
31.44 .....	.....do	29, 34
31.48 .....	.....do	29, 31, 34
31.52 .....	.....do	29, 31, 34
31.56 .....	.....do	34
31.60 .....	.....do	29, 34
31.64 .....	.....do	29, 31, 34
31.68 .....	.....do	34
31.72 .....	.....do	29, 31, 34
31.76 .....	.....do	29, 31, 34
31.80 .....	.....do	34
31.84 .....	.....do	34
31.88 .....	.....do	34
31.92 .....	.....do	34
31.96 .....	.....do	34
33.12 .....	.....do	3, 34
35.28	Base or mobile	34
35.32 .....	.....do	34
35.36 .....	.....do	34
35.40 .....	.....do	34
35.44 .....	.....do	34
35.48 .....	.....do	29, 34
35.52 .....	.....do	34
35.74 .....	.....do	2
35.76 .....	.....do	2
35.78 .....	.....do	2
35.80 .....	.....do	2
35.82 .....	.....do	2
35.84 .....	.....do	2
35.86 .....	.....do	2
43.02 .....	.....do	31, 34
43.04 .....	.....do	4
43.06 .....	.....do	34
43.08 .....	.....do	34
43.10 .....	.....do	34
43.12 .....	.....do	34
43.14 .....	.....do	34
43.18 .....	.....do	2
43.28 .....	.....do	31, 34
43.32 .....	.....do	34
43.36 .....	.....do	31, 34
43.40 .....	.....do	31, 34
43.44 .....	.....do	34
43.48 .....	.....do	34

SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
43.52 .....	....do	31, 34
47.44 .....	....do	2
47.48 .....	....do	2
47.52 .....	....do	2
47.56 .....	....do	32
47.60 .....	....do	2
47.64 .....	....do	2
47.68 .....	....do	2
49.52 .....	....do	34
49.54 .....	....do	5, 34
49.56 .....	....do	2
49.58 .....	....do	5, 34
72-76	Operational fixed	6
72.44	Mobile	7
72.48 .....	....do	7
72.52 .....	....do	7
72.56 .....	....do	7
72.60 .....	....do	7
75.44 .....	....do	7
75.48 .....	....do	7
75.52 .....	....do	7
75.56 .....	....do	7
75.60 .....	....do	7
150 to 170	Base or mobile	39
151.490 .....	....do	2, 8
151.4975 .....	....do	2, 8, 35
151.505 .....	....do	4
151.5125 .....	....do	4, 35
151.520 .....	....do	2
151.5275 .....	....do	2, 35
151.535 .....	....do	2
151.5425 .....	....do	2, 35
151.550 .....	....do	2
151.5575 .....	....do	2, 35
151.565 .....	....do	2
151.5725 .....	....do	2, 35
151.580 .....	....do	2
151.5875 .....	....do	2, 35
151.595 .....	....do	2
151.6025 .....	....do	2, 35
152.465 .....	....do	2, 28, 35
152.480 .....	....do	2, 9, 35, 40
152.8625 .....	....do	10, 34, 38
152.870 .....	....do	10, 34
152.8775 .....	....do	10, 34, 35
152.885 .....	....do	2
152.8925 .....	....do	2, 35
152.900 .....	....do	2, 10
152.9075 .....	....do	2, 10, 35
152.915 .....	....do	2
152.9225 .....	....do	2, 35
152.930 .....	....do	2, 10
152.9375 .....	....do	2, 10, 35
152.945 .....	....do	2
152.9525 .....	....do	2, 35
152.960 .....	....do	2, 10
152.9675 .....	....do	2, 10, 35
152.975 .....	....do	2
152.9825 .....	....do	2, 35
152.990 .....	....do	2, 10
152.9975 .....	....do	2, 10, 35
153.005 .....	....do	2
153.0125 .....	....do	2, 35
153.020 .....	....do	2, 10
153.0275 .....	....do	2, 10, 35
153.035 .....	....do	2, 11
153.0425 .....	....do	2, 11, 35
153.050do	2, 30, 33
153.0575do	2, 30, 33, 35
153.125do	2, 30, 33
153.1325do	2, 30, 33, 35
153.335do	2, 30

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Frequency or band	Class of station(s)	Limitations
153.3425do	2, 30, 35
153.350do	2, 30
153.3575 .....	.....do	2, 30, 35
153.365 .....	.....do	2, 30
153.3725 .....	.....do	2, 30, 35
153.380 .....	.....do	2, 30
153.3875 .....	.....do	2, 30, 35
153.395 .....	.....do	2, 30
153.4025 .....	.....do	2, 30, 35
154.45625	Fixed or mobile	12, 13, 15, 25
154.46375 .....	.....do	12, 13, 15, 26, 27
154.47125 .....	.....do	12, 13, 15, 27
154.47875 .....	.....do	12, 13, 15, 25
154.4825	Base or mobile	2, 35
154.490 .....	.....do	2
154.4975 .....	.....do	2, 35
154.505 .....	.....do	2, 35
154.625 .....	.....do	2, 9, 40
154.640 .....	.....do	2, 9, 35
157.725 .....	.....do	2, 28
157.740 .....	.....do	2, 9, 40
158.325 .....	.....do	2, 30, 33
158.3325 .....	.....do	2, 30, 33, 35
158.355 .....	.....do	2, 32
158.3625 .....	.....do	2, 32, 35
158.385 .....	.....do	2
158.3925 .....	.....do	2, 35
158.400 .....	.....do	4
158.4075 .....	.....do	4, 35
158.415 .....	.....do	2, 30, 33
158.4225 .....	.....do	2, 30, 33, 35
158.460 .....	.....do	2, 9, 40
169 to 172	Mobile, operational fixed	14
173.20375	Fixed or mobile	12, 13, 15, 27
173.2100 .....	.....do	12, 15, 16, 27
173.2375 .....	.....do	12, 13, 15, 25
173.2625 .....	.....do	12, 13, 15, 25
173.2875 .....	.....do	12, 13, 15, 25
173.3125 .....	.....do	12, 13, 15, 25
173.3375 .....	.....do	12, 13, 15, 25
173.3625 .....	.....do	12, 13, 15, 25
173.3900 .....	.....do	12, 15, 16, 27
173.39625 .....	.....do	12, 13, 15, 27
216 to 220	Base or mobile	17
220–222	Base and mobile	37
406–413	Operational fixed	14
450 to 470	Fixed, base, or mobile	18, 39
451.7125	Mobile	41
451.725	Base or mobile	2
451.73125 .....	.....do	2, 38
451.73750 .....	.....do	2, 35
451.74375 .....	.....do	2, 38
451.7625	Mobile	41
451.775	Base or mobile	2
451.78125 .....	.....do	2, 38
451.78750 .....	.....do	2, 35
451.79375 .....	.....do	2, 38
451.800	Operational fixed, base or mobile	4, 19
451.80625 .....	.....do	4, 19, 38
451.81250 .....	.....do	4, 19, 35
451.81875 .....	.....do	4, 19, 38
451.825	Base or mobile	2
451.83125 .....	.....do	2, 38
451.83750 .....	.....do	2, 35
451.84375 .....	.....do	2, 38
451.850 .....	.....do	2
451.85625 .....	.....do	2, 38
451.86250do	2, 35
451.86875do	2, 38
451.875do	2
451.88125do	2, 38
451.88750do	2, 35

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SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
451.89375 .....	....do	2, 38
451.900 .....	....do	2
451.90625 .....	....do	2, 38
451.91250 .....	....do	2, 35
451.91875 .....	....do	2, 38
451.925 .....	....do	2
451.93125 .....	....do	2, 38
451.93750 .....	....do	2, 35
451.94375 .....	....do	2, 38
451.950 .....	....do	2
451.95625 .....	....do	2, 38
451.96250 .....	....do	2, 35
451.96875 .....	....do	2, 38
451.975 .....	....do	2
451.98125 .....	....do	2, 38
451.98750 .....	....do	2, 35
451.99375 .....	....do	2, 38
452.000 .....	....do	2
452.00625 .....	....do	2, 38
452.01250 .....	....do	2, 35
452.01875 .....	....do	2, 38
452.025 .....	....do	2
452.03125 .....	....do	2, 38
452.03750 .....	....do	2, 35
452.04375 .....	....do	2, 38
452.0625	Mobile	41
452.075	Base or mobile	2
452.08125 .....	....do	2, 38
452.08750 .....	....do	2, 35
452.09375 .....	....do	2, 38
452.1125	Mobile	41
452.125	Base or mobile	2
452.13125 .....	....do	2, 38
452.13750 .....	....do	2, 35
452.14375 .....	....do	2, 38
452.1625	Mobile	41
452.175	Base or mobile	2
452.18125 .....	....do	2, 38
452.18750 .....	....do	2, 35
452.19375 .....	....do	2, 38
456.7125	Mobile	41
456.725 .....	....do	2
456.73125 .....	....do	2, 38
456.73750 .....	....do	2, 35
456.74375 .....	....do	2, 38
456.7625 .....	....do	41
456.775 .....	....do	2
456.78125 .....	....do	2, 38
456.78750 .....	....do	2, 35
456.79375 .....	....do	2, 38
456.800	Operational fixed, base or mobile	4, 19
456.80625 .....	....do	4, 19, 38
456.81250 .....	....do	4, 19, 35
456.81875 .....	....do	4, 19, 38
456.825	Mobile	2
456.83125 .....	....do	2, 38
456.83750 .....	....do	2, 35
456.84375 .....	....do	2, 38
456.850 .....	....do	2
456.85625 .....	....do	2, 38
456.86250 .....	....do	2, 35
456.86875 .....	....do	2, 38
456.875 .....	....do	2
456.88125 .....	....do	2, 38
456.88750 .....	....do	2, 35
456.89375 .....	....do	2, 38
456.900 .....	....do	2
456.90625do	2, 38
456.91250do	2, 35
456.91875do	2, 38
456.925do	2
456.93125do	2, 38

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SPECIAL INDUSTRIAL RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
456.93750 .....	....do	2, 35
456.94375 .....	....do	2, 38
456.950 .....	....do	2
456.95625 .....	....do	2, 38
456.96250 .....	....do	2, 35
456.96875 .....	....do	2, 38
456.975 .....	....do	2
456.98125 .....	....do	2, 38
456.98750 .....	....do	2, 35
456.99375 .....	....do	2, 38
457.000 .....	....do	2
457.00625 .....	....do	2, 38
457.01250 .....	....do	2, 35
457.01875 .....	....do	2, 38
457.025 .....	....do	2
457.03125 .....	....do	2, 38
457.03750 .....	....do	2, 35
457.04375 .....	....do	2, 38
457.0625 .....	....do	41
457.075 .....	....do	2
457.08125 .....	....do	2, 38
457.08750 .....	....do	2, 35
457.09375 .....	....do	2, 38
457.1125 .....	....do	41
457.125 .....	....do	2
457.13125 .....	....do	2, 38
457.13750 .....	....do	2, 35
457.14375 .....	....do	2, 38
457.1625 .....	....do	41
457.175 .....	....do	2
457.18125 .....	....do	2, 38
457.18750 .....	....do	2, 35
457.19375 .....	....do	2, 38
470 to 512	Base or mobile	20
806 to 821	Mobile	21
851 to 866	Base or mobile	21
896 to 901	Mobile	21
928 and above	Operational fixed	22
929-930	Base only	36
935 to 940	Base or mobile	21
1427 to 1435	Operational fixed, base or mobile	17
2450 to 2500	Base or mobile	23
8400 to 8500 .....	....do	24
10,550 to 10,680* .....	....do	24

*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(d) Explanation of assignment limitations appearing in the frequency table of paragraph (c) of this section:

(1) Only entities engaged in exploration, its support services, and the repair of pipelines are eligible to use this spectrum, and then only in accordance with § 90.266. Except as provided in this part, licensees may not use these frequencies in the place of other operational circuits permitted by the Commission's Rules. The use of these frequencies is not subject to § 90.73(f). Circuits operating on these frequencies may be used only for the following purposes:

(i) Exploratory efforts in mining for solid fuels, minerals, and metals important to the national interest;

(ii) Repair of pipelines used for the transmission of fuel or water; and,

(iii) Services supporting the exploration for energy or mineral resources important to the national interest, without which such exploration cannot be conducted.

(2) This frequency will be assigned only for operation in a permanent area, normally within 120 km (75 mi.) of a specified reference point.

(3) Operation on this frequency is limited to a maximum output of 2 watts; and each station authorized will

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be classified and licensed as a mobile station. Any units of such a station, however, may provide the operational functions of a base or fixed station, on a secondary basis to mobile service operations provided that the separation between the control point and the center of the radiating portion of the antenna of any units so used does not exceed 7.6 m (25 ft).

(4) This frequency will be assigned only to stations used in itinerant operations.

(5) This frequency is shared with the Forest Products Radio Service.

(6) The frequencies available in the band 72-76 MHz are listed in § 90.257(a)(1). These frequencies are shared with other services and are available only in accordance with the provisions of § 90.257.

(7) This frequency is available on a shared basis in the Manufacturers, Forest Products, Special Industrial, Railroad, and Fire Radio Services and interservice coordination is required. All communications must be conducted within the boundaries or confines of a plant, factory, shipyard, mill, mine, farm, ranch, or construction area. All operations on this frequency are subject to the provisions of § 90.257(b).

(8) This frequency is not available to stations in Puerto Rico or the Virgin Islands. Elsewhere, this frequency is shared with the Forestry-Conservation Radio Service and interservice coordination is required.

(9) This frequency is available in this service and in the Forest Products Radio Service on a secondary basis to one-way paging communications authorized in the Business Radio Service.

(10) This frequency is shared with the Film and Video Production Radio Service.

(11) This frequency band is shared with the Petroleum Radio Service.

(12) Operational fixed stations must employ directional antennas having a front-to-back ratio of at least 20 dB. Omnidirectional antennas having unity gain may be employed for stations communicating with at least three receiving locations separated by 160° of azimuth.

(13) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may

not exceed 2.8 kHz and the maximum frequency deviation may not exceed 2.5 kHz. For AM transmitters, the highest modulating frequency may not exceed 2.0 kHz. The carrier frequency must be maintained within 0.0005 percent and the authorized bandwidth may not exceed 6 kHz.

(14) Frequencies in this band will be assigned only for transmitting hydrological or meteorological data or for low power wireless microphones in accordance with the provisions of § 90.265.

(15) This frequency band is shared with the Power, Forest Products, Special Industrial, Petroleum, Manufacturers, Business, and the Local Government Radio Services for remote control and telemetry operations.

(16) For FM transmitters the sum of the highest modulation frequency and the amount of frequency deviation may not exceed 1.7 kHz and the maximum deviation may not exceed 1.2 kHz. For AM transmitters the highest modulating frequency may not exceed 1.2 kHz. The carrier frequency must be maintained within 0.0005 percent and the authorized bandwidth may not exceed 3 kHz.

(17) This frequency band is available to stations in the service subject to the provisions of § 90.259.

(18) The requirements for secondary fixed use of frequencies in this band are set forth in § 90.261.

(19) Operational fixed assignments on this frequency will only be made to an itinerant fixed control or relay station on a secondary basis to land-mobile stations in this service, provided that the fixed relay or control station is to be associated with base and mobile facilities authorized to use other frequencies available for itinerant operation in this service. All such use of these frequencies for fixed systems is limited to locations 161 or more km. (100 mi.) from the center of any urbanized area of 200,000 or more population, except that the distance may be 120 km. (75 mi.) if the output power does not exceed 20 watts. All such fixed systems are limited to a maximum of two frequencies and must employ directional antennas with a front-to-back ratio of at least 15 dB. The centers of

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urbanized areas of 200,000 or more population are determined from the appendix, page 226, of the U.S. Commerce publication, "Air Line Distance Between Cities in the United States." Urbanized areas of 200,000 or more population are defined in the U.S. Census of Population, 1960, volume 1, table 23, page 1-50.

(20) Subpart L contains rules for assignment of frequencies in the 470-512 MHz band.

(21) Subpart S contains rules for assignment of frequencies in the 806-821/851-866 and 896-901/935-940 MHz bands.

(22) Assignment of frequencies above 928 MHz for operational-fixed stations is governed by part 94 of this chapter.

(23) Available only on a shared basis with stations in other services, and subject to no protection from interference due to the operation of industrial, scientific, or medical (ISM) devices. In the 2483.5-2500 MHz band, no applications for new stations or modification to existing stations to increase the number of transmitters will be accepted. Existing licensees as of July 25, 1985, or on a subsequent date following as a result of submitting an application for license on or before July 25, 1985, are grandfathered, and their operation is co-primary with the Radiodetermination Satellite Service.

(24) Use of this frequency band is limited to developmental operation and is subject to the provisions of subpart Q.

(25) The maximum effective radiated power (ERP) may not exceed 20 watts for fixed stations and 2 watts for mobile stations. The height of the antenna system may not exceed 15.24 meters (50 feet) above ground. All such operation is on a secondary basis to adjacent channel land mobile operations.

(26) Use of this frequency is limited to stations located at least 120.7 km (75 miles) from the center of any urbanized area of 200,000 or more population (U.S. Census of Population, 1970). Operation is on a secondary basis to that in the Power Radio Service.

(27) The maximum output power of the transmitter may not exceed 50 watts for fixed stations and 1 watt for mobile stations. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized.

(28) This frequency is shared with the Taxicab and Forest Products Radio Services. Use of this frequency is limited to stations located at least 80.5 km (50 miles) from the center of any urbanized area of 600,000 or more population (U.S. Census of Population, 1970). All operations on this frequency are limited to a transmitter output power of 75 watts.

(29) This frequency is shared with the Petroleum Radio Service in the States of Texas and Louisiana within 120 km (75 miles) of the Gulf of Mexico and in adjacent offshore waters.

(30) This frequency is shared with other Industrial Radio Services and is available for assignment in the Special Industrial Radio Service only in the States of North Dakota, South Dakota, Iowa, Nebraska, Kansas, and Missouri beyond 80 km (50 miles) from St. Louis and Kansas City; Wyoming and Colorado east of Longitude 106 degrees except within a 80 km (50 mile) radius of Denver; and Minnesota south of Latitude 47 degrees except within a 80 km (50 mile) radius of St. Paul, Minnesota. The maximum transmitter output power may not exceed 110 watts.

(31) This frequency is shared with the Forest Products Radio Service in the States of Washington; Oregon; Idaho; Nevada; Montana west of Longitude 110 degrees; and California north of Latitude 39 degrees.

(32) This frequency is shared with other Industrial Radio Services and is available for assignment in the Special Industrial Radio Service only in the States of North Dakota, South Dakota, Iowa, Nebraska, Kansas, Missouri, Colorado, and Wyoming east of Latitude 106 degrees; and Minnesota south of Latitude 47 degrees. The maximum transmitter output power may not exceed 110 watts.

(33) This frequency is not available for assignment in the Special Industrial Radio Service within 32 km (20 miles) of the cities of Duluth, Minnesota; Des Moines and Davenport, Iowa; Omaha, Nebraska; Colorado Springs, Colorado; and Wichita, Kansas.

(34) This frequency is for general use and may be assigned either for itinerant or permanent use operations.

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	Base and mobile	Mobile only
159.240	160.410	
159.2475	160.4175	
159.255	160.425	
159.2625	160.4325	
159.270	160.440	
159.2775	160.4475	
159.285	160.455	
159.2925	160.4625	
159.300	160.470	
159.3075	160.4775	
159.315	160.485	
159.3225	160.4925	
159.330	160.500	
159.3375	160.5075	
159.345	160.515	
159.3525	160.5225	
159.360	160.530	
159.3675	160.5375	
159.375	160.545	
159.3825	160.5525	
159.390	160.560	
159.3975	160.5675	
159.405	160.575	
159.4125	160.5825	
159.420	160.590	
159.4275	160.5975	
159.435	160.605	
159.4425	160.6125	

(5) Land mobile service frequencies above 152 MHz which are listed elsewhere in this part as available to the Petroleum, Forest Products, and Manufacturers Radio Services, are also available, with the exception of the frequency 154.57 MHz, for assignment in this service for use in Hawaii, Puerto Rico, and the Virgin Islands, subject to the same limitations as apply in the Petroleum Forest Products, and Manufacturers Radio Services. Operation on such frequencies is secondary to stations operating in the Petroleum, Forest Products, or Manufacturers Radio Services and their use will be terminated if they are needed in the areas concerned in any of those services.

(6) Frequencies in the 421-430 MHz band are available in the Detroit, Cleveland, and Buffalo areas in accordance with the rules in §§ 90.273 through 90.281.

(f) *Limitation on number of frequencies assignable.* Normally only one frequency, or pair of frequencies in the paired frequency mode of operation, will be assigned for mobile service operations by a single applicant in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection

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with operation of mobile repeaters in accordance with § 90.247, notwithstanding this limitation.

(2) Frequencies in the ranges 30.56–30.57 MHz, 35.00–35.01 MHz, 35.99–36.00 MHz and 37.00–37.01 MHz are available for assignment to applicants in this service subject to the provisions of subpart Q notwithstanding this limitation.

(3) Authorization for more than one mobile frequency in the band 72–76 MHz will be issued notwithstanding this limitation.

(4) Frequencies in the 25–50 MHz, 150–170 MHz, 450–512 MHz and 902–928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation.

(5) This limitation shall not apply to paragraph (d)(1) of this section.

(g) *Limitation on itinerant operation.* Base or mobile stations being utilized in itinerant operation will be authorized only on base or mobile frequencies designated for itinerant operation under § 90.73(d)(4).

(Secs. 4(i) and 303(r), Communications Act of 1934, as amended, §§ 0.131 and 0.331 of the Commission's Rules and 5 U.S.C. 553 (b)(3)(B) and (d)(3); 47 U.S.C. 154(i) and 303)

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§ 90.75 Business Radio Service.

(a) *Eligibility.* Persons primarily engaged in any of the following activities are eligible to hold authorizations in the Business Radio Service to provide commercial mobile radio service as defined in part 20 of this chapter or to operate stations for transmission of communications necessary to such activities of the licensee:

(1) The operation of a commercial activity.

(2) The operation of educational, philanthropic, or ecclesiastical institutions.

(3) Clergymen activities.

(4) The operation of hospitals, clinics or medical associations.

(b) *Frequencies available.* The following table indicates frequencies available for assignment to stations in the Business Radio Service together with the class of station(s) to which they are normally assigned, and the specific assignment limitations, which are explained in paragraph (c) of this section.

BUSINESS RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Megahertz:		
27.43	Base or Mobile	1, 2
27.45 .....	.....do	1, 2
27.47 .....	.....do	1, 2
27.49 .....	.....do	1, 3
27.51	Mobile	4
27.53 .....	.....do	4
30.76	Base or Mobile	1, 2
30.80 .....	.....do	1, 2
30.84	Mobile	4, 22
30.88	Base or Mobile	1, 2
30.92 .....	.....do	1, 2
30.96 .....	.....do	1, 2
31.00 .....	.....do	1, 2
31.04 .....	.....do	1, 2
31.16 .....	.....do	1, 2
31.20 .....	.....do	1, 2
31.24 .....	.....do	1, 2
33.14	Mobile	4, 22
33.16	Base or Mobile	1, 2
33.40	Mobile	6, 22
35.02 .....	.....do	4, 5, 22
35.04	Base or Mobile	1, 3
35.06 .....	.....do	1, 2
35.08 .....	.....do	1, 2
35.10 .....	.....do	1, 2
35.12 .....	.....do	1, 2
35.14 .....	.....do	1, 2
35.18 .....	.....do	1, 2